

**ABSTRACT**

Disclosed is a nucleic acid molecule from nematodes encoding for glutamine synthetase (GS) polypeptides. The GS-like polypeptide sequence is also provided, as are vectors, host cells, and recombinant methods for production of GS-like nucleotides and polypeptides. The invention further relates to screening methods for identifying inhibitors and/or activators, as well as methods for antibody production.

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